000000000 000000000 0000000000 000 000 000 000	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	000000000 0000000000 0000000000 000 000 000 000	MMM MMM MMM MMM MMMMM MMMMM MMMMMM MMMMMM
	PPP PPP PPP	000000000000000000000000000000000000000	000 000000000 000000000 000000000	MMM MMM MMM MMM MMM MMM MMM MMM

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OF VC

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```
OPC$SHARE_DEVNA SHARE_FULL_DEVNAME V04-000
                                                                                                                                                                                                                                                                                   VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: COPCOM.SRCJSHARE.B32;1
                                                                                                                                 - Delete the entire timeout count module, it is no longer necessary with the queued $brkthru mechanism.
         V03-002 CWH3002
                                                                                                                                                                                CW Hobbs
                                                                                                                                                                                                                                                           16-Sep-1983
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                                                                                                                              Add timeout routine and VM jacket routines.
                                                                           BEGIN
                                                                          LIBRARY 'SYS$LIBRARY:LIB';
LIBRARY 'LIB$:OPCOMLIB';
                                                                           GLOBAL ROUTINE SHARE_FULL_DEVNAME (DEVNAME : $ref_bblock, NAME_CODE) = %SBTTL 'share_full_devname (devname,
                                                                               Functional description:
                                                                                                    Take the device name passed as input, and return a fully qualified device spec. This will include
                                                                                                    the SCS nodename if that is defined. Note that the descriptor is OWN storage inside of this routine
                                                                                                    so that this routine is non-reentrant.
                                                                                 Input:
                                                                                                    DEVNAME
                                                                                                                                                       : Address of a quadword buffer descriptor that
                                                                                                                                                             points to the buffer containing the device name
                                                                                                    NAME CODE
                                                                                                                                                       : DVIS_xxxNAM, the device name item code
                                                                                 Implicit Input:
                                                                                                    None.
                                                                                 Output:
                                                                                                    None.
                                                                                 Implict output:
                                                                                                    None.
                                                                                 Side effects:
                                                                                                    None.
                                                                                 Routine value:
                                                                                                    Descriptor pointing to fullname. If unable to modify name, input descriptor will returned.
                                                                           BEGIN
                                                                                                                                                                                                                                 ! Start of SHARE_FULL_DEVNAME
                                                                           OWN
                                                                                                   NAME_BUFFER
NAME_DESC
SEC_NAME_BUFFER
SEC_NAME_DESC
SPOOLED
DVI_LIST
                                                                                                                                                     : VECTOR [MAX DEV_NAM, BYTE],
: VECTOR [2, [ONG] INITIAL (O,NAME_BUFFER),
: VECTOR [MAX DEV_NAM, BYTE],
: VECTOR [2, [ONG] INITIAL (O,SEC_NAME_BUFFER),
                                                                                                                                                    : VECTOR
: VECTOR
: VECTOR
                                                                                                                                                      : LONG, : VECTOR [10, LONG] INITIAL (
```

OF

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6
OPC$SHARE_DEVNA SHARE_FULL_DEVNAME V04-000 share_full_devname (devname, name_code)
                                                                                      16-Sep-1984 01:53:46
14-Sep-1984 12:50:55
                                                                                                                      VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[OPCOM.SRC]SHARE.B32;1
                                                                          MAX DEV NAM,

NAME_BUFFER,

NAME_DESC,

MAX_DEV_NAM,

SEC_NAME_BUFFER,

SEC_NAME_DESC,

((DVI$_SPL OR DVI$C_SECONDARY)^16 OR 4),

SPOOLED,
                                                                                                                                            ! Add item code at run time
    116
   1190123456789012345678901445678
                                                                                                                                            ! Add code at run time
                                                                                                                                           ! Is the secondary spooled?
                                                                           85:
                                  Get the name, if any problem then return the address of the input descriptor
                                (DVI_LIST [0]) <16,16,0> = .NAME_CODE;
(DVI_LIST [3]) <16,16,0> = (.NAME_CODE OR DVI$C_SECONDARY);
IF NOT ($GETDVIW (DEVNAME.DEVNAME, ITMLST=DVI_LIST))
                                                                                                            Put name item code in high word
                                THEN
                                     RETURN . DEVNAME:
                                IF .NAME_DEST [0] EQL 0
                                THEN
                                     RETURN . DEVNAME:
                                ! If the device is spooled, return secondary characteristics
                                IF .SPOOLED
                               THEN
                                      IF .SEC_NAME_DESC [O] NEQ O
                                          RETURN SEC_NAME_DESC:
                                                                                                If we get this far, it's ok. 
End of SHARE_FULL_DEVNAME
                                RETURN NAME_DESC;
                               END:
                                                                                                   .TITLE
                                                                                                             OPC$SHARE_DEVNAME SHARE_FULL_DEVNAME \V04-000\
                                                                                                   .PSECT SOWNS, NOEXE, 2
                                                                                00000 NAME_BUFFER:
                                                                                00040 NAME_DESC:
                                                                   00000000
                                                                                                    ADDRESS NAME_BUFFER
                                                                   00000000
                                                                                00048 SEC_NAME_BUFFER:
                                                                   00000000
                                                                                00088 SEC_NAME_DESC:
                                                                                                   .ADDRESS SEC_NAME_BUFFER
                                                                                0008C .ADDRE
                                                                   00000000
                                                                                00094 DVI_LIST:
                                                                   00000040
                                                                  00000000
                                                                                00098
000A0
000A4
                                                                                                   .ADDRESS NAME_BUFFER, NAME_DESC
                                                     00000000
                                                     00000000, 000000000,
                                                                                                   .ADDRESS SEC_NAME_BUFFER, SEC_NAME_DESC
```

104-000	SHARE FULL	DEVNAME devname (d	levname	, name_cc	ode)	16 14	-Sep-19 -Sep-19	84 01:53 84 12:50	:46 V	AX-11 Bliss-32 V4.0-742 ISK\$VMSMASTER: [OPCOM.SRC]SHA	Page	(1
				00	0530004 0000000 0000000	000AC 000B0 000B4			5439492 S SPOOLE 0. 0		•	
								.EXTRN	SYS\$GET			
								.PSECT		NOWRT,2		
	OE A2	2 02 08	52 A2 AC	0000*	0004 CF 96 AC 80 01 A9 7E 70 7E 70	00002 00007 00000 00012 00014		ENTRY MOVAB MOVW BISW3 CLRQ CLRQ PUSHL PUSHL CLRQ CALLS	SHARE F DVI LIS NAME CO #1. NAM -(SP) -(SP) R2 DEVNAME	ULL_DEVNAME, Save R2 it, R2 DE, DVI_LIST+2 DE_CODE, DVI_LIST+14	•	007 012 013 013
		0000000G	50	04 AC 04	AC DO 7E 70 08 FE 50 E9 A2 D5 AC D0	0001B 0001D 00024 00027 0002A	15:	TSTL BNEQ MOVL	-(SP)	\$GETDVIW	:	013
			0A 50	FC F4	A2 E9 A2 D5 O5 13 A2 9E	00031 00035 00038	2\$:	RET BLBC TSTL BEQL MOVAB	SPOOLED SEC_NAM 3\$	E_DESC		014 014
			50	AC	A2 9E	0003F	3\$:	RET MOVAB RET	NAME_DE	SC, RO	: (014 014 014
Routine Size:	68 bytes.	Routine	Base:	\$CODE\$								
149 150	0149 1 END 0150 0 ELU	DOM										
	0149 1 END 0150 0 ELU			T SUMMARY								
Name	0149 1 END 0150 0 ELU	DOM Byte	s				ributes		251 (0	N NORIC ALICAY(2)		
	0149 1 END 0150 0 ELU		s	T SUMMARY NOVEC, W NOVEC, NOW					REL, CO	N, NOPIC, ALIGN(2) N, NOPIC, ALIGN(2)		
Name	0149 1 END 0150 0 ELU	Byte	188 ! 68 !						REL, CO	N, NOPIC, ALIGN(2) N, NOPIC, ALIGN(2)		

O

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$: SHARE/OBJ=OBJ\$: SHARE MSRC\$: SHARE/UPDATE=(ENH\$: SHARE)

OF V

```
6
OPC$SHARE_FAOBU SHARE_FAO_BUFFER v03-001 Share_fao_buffer (ctrstr, args)
                                                                            16-Sep-1984 01:53:46
14-Sep-1984 12:50:55
                                                                                                        VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [OPCOM.SRC]SHARE.B32;1
                            MODULE OPC$SHARE_FAOBUF (IDENT = 'VO3-001') = %TITLE 'SHARE_FAO_BUFFER' BEGIN
                  %SBTTL 'share_fao_buffer (ct
   LIBRARY 'SYS$LIBRARY:LIB';
LIBRARY 'LIB$:OPCOMLIB';
                            GLOBAL ROUTINE SHARE_FAO_BUFFER (ctrstr : REF VECTOR[2], args : VECTOR [4]) = %SBTTL 'SHARE_FAO_BUFFER'
                            BEGIN
                              FUNCTIONAL DESCRIPTION:
                                      This routine passes an ascii string through the FAO system service with any number of specified para
                               INPUTS:
                                               Address of FAO control string descriptor
                                      ctrstr
                                               Any number of additional arguments
                                      args
                               IMPLICIT INPUTS:
                                      none
                               OUTPUTS:
                                      none
                               IMPLICIT OUTPUTS:
                                      none
                               ROUTINE VALUE:
                                      Address of formatted descriptor
                              SIDE EFFECTS:
                                      none
                            OWN
                                 DESC : VECTOR [2, LONG],
FAOBUF : VECTOR [512, BYTE]
                   0193
                  0194
0195
0196
0197
                            DESC [0] = 512;
DESC [1] = FAOBUF;
                                                                                     ! Set up result descriptor
                   0198
                            $FAOL (CTRSTR=.CTRSTR, OUTLEN=DESC, OUTBUF=DESC, PRMLST=ARGS);
                   0199
0200
0201
                            RETURN DESC:
                            END:
                                                                                       .TITLE
                                                                                                OPC$SHARE_FAOBUF SHARE_FAO_BUFFER
                                                                                       .PSECT SOWNS, NOEXE, 2
```

V

OPC\$SHARE_FAOBU SHARE_FAO	BUFFER		B 7 16-Sep-1984 01:53 14-Sep-1984 12:50	3:46 VAX-11 BLiss-32 V4.0-742 DISK\$VMSMASTER: [OPCOM.SRC]	JSHARE.B32;1 (2
		000	00 DESC: .BLKB	8 512	
			.EXTRN	SYSSFAOL	
			.PSECT	\$CODE\$,NOWRT,2	
	04 A2	0000 CF 9E 000 0200 8F 3C 000 08 A2 9E 000 08 AC 9F 000 52 DD 000 52 DD 000 04 AC DD 000 04 FB 000 62 9E 000	07 MOVZWL 0C MOVAB 11 PUSHAB 14 PUSHL 16 PUSHL	SHARE_FAO_BUFFER, Save R2 DESC, R2 #512, DESC FAOBUF, DESC+4 ARGS R2 R2 CIRSTP	015 019 019 019
	00000000G 00 50	04 AC DD 000 04 FB 000 62 9E 000 04 000	18 PUSHL 1B CALLS 22 MOVAB 25 RET	CTRSTR #4. SYS\$FAOL DESC, RO	020
Routine Size: 38 bytes	, Routine Base:				
203 0202 1 204 0203 1 EI 205 0204 0 EI	ND LUDOM		! End of	SHARE\$FAOBUF	
			*-		
	PSECT :	SUMMARY			
Name	Bytes		Attributes		
SOWNS SCODES	520 NO	VEC., WRT. RD , NO VEC., NOWRT, RD ,	EXE, NOSHR, LCL,	REL, CON, NOPIC, ALIGN(2) REL, CON, NOPIC, ALIGN(2)	
	Library Statis	stics			
File		Total Loaded	Percent Pages	Processing d Time	
\$255\$DUA28:[SYSLIB]LII	B.L32;1 JOPCOMLIB.L32;1	18619 3 633 0	0 1000	00:01.8 00:00.7	

COMMAND QUALIFIERS

OP(

OPC\$SHARE_FAOBU SHARE_FAO_BUFFER

C 7 16-Sep-1984 01:53:46 VAX-11 Bliss-32 V4.0-742 Page 8 14-Sep-1984 12:50:55 DISK\$VMSMASTER:[OPCOM.SRC]SHARE.B32;1 (2)

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$: SHARE/OBJ=OBJ\$: SHARE MSRC\$: SHARE/UPDATE=(ENH\$: SHARE)

OP VO

```
OPC$SHARE_VM
VO3-001
                 OPC$SHARE VM
OPC$GET_VM (len, addr)
                                                                      16-Sep-1984 01:53:46
14-Sep-1984 12:50:55
                                                                                                VAX-11 Bliss-32 V4.0-742 Pa
DISK$VMSMASTER:[OPCOM.SRC]SHARE.B32;1
                 0205
0206
0207
0208
                          MODULE OPC$SHARE_VM (IDENT = 'VO3-001') =
                                                                              BEGIN
                          LIBRARY 'SYS$LIBRARY:LIB';
LIBRARY 'LIB$:OPCOMLIB';
                          GLOBAL ROUTINE OPCSGET_VM (len, addr) =
                          BEGIN
                            FUNCTIONAL DESCRIPTION:
                                   This routine calls LIB$GET_VM
                         LOCAL
STATUS:
                          STATUS = LIBSGET_VM (.LEN, .ADDR);
                          RETURN .STATUS;
                                                                                         OPC$SHARE_VM OPC$SHARE_VM
                                                                                 .TITLE
                                                                                 . IDENT
                                                                                 .EXTRN OPCSGET_VM, LIBSGET_VM
                                                                                 .PSECT $CODE$, NOWRT.2
                                                                                          OPC$GET_VM, Save nothing LEN, -(SP) #2, LIB$GET_VM
                                                                 00000
                                                                                 .ENTRY
                                                                                                                                            0211
                                                              7D
FB
                                                                                 MOVO
                              0000000G
                                                                  00006
                                                                                 CALLS
                                                                 0000D
                                                                                                                                            0226
: Routine Size: 14 bytes,
                                Routine Base: $CODE$ + 0000
  GLOBAL ROUTINE OPC$FREE_VM (len, addr) =
                                                                               %SBTTL 'OPC$FREE_VM (len, addr)'
                          BEGIN
                            FUNCTIONAL DESCRIPTION:
                                   This routine calls LIBSFREE_VM
                         LOCAL
                              STATUS:
                          STATUS = LIBSFREE_VM (.LEN, .ADDR);
                          RETURN .STATUS:
                          END:
```

OPC\$SHARE_VM OPC\$SHARE_VM OPC\$FREE_VM (len, addr)

E 7 16-Sep-1984 01:53:46 14-Sep-1984 12:50:55

VAX-11 Bliss-32 V4.0-742 Page 1 DISK\$VMSMASTER:[OPCOM.SRC]SHARE.B32;1 (3

.EXTRN OPCSFREE_VM, LIBSFREE_VM

7E 04 AC 7D 0000 00000000 00 02 FB 00006 04 0000D .ENTRY OPC\$FREE_VM, Save nothing MOVQ LEN, -(SP) CALLS #2, LIB\$FREE_VM RET

0228 0240 0243

; Routine Size: 14 bytes, Routine Base: \$CODE\$ + 000E

246 247 0245 1 END 248 0246 0 ELUDO

! End of OPC\$SHARE_VM

PSECT SUMMARY

Name

Bytes

Attributes

\$CODE\$

28 NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File	Total		Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]LIB.L32;1 \$255\$DUA28:[OPCOM.OBJ]OPCOMLIB.L32;1	18619 633	0	0	1000	00:01.8

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$: SHARE/OBJ=OBJ\$: SHARE MSRC\$: SHARE/UPDATE=(ENH\$: SHARE)

```
OPC$SHARE_LOOKO SHARE_LOOKOPERBIT Share_init_oper_keytbl
                                                                                                                  16-Sep-1984 01:53:46
14-Sep-1984 12:50:55
                                                                                                                                                             VAX-11 Bliss-32 V4.0-742 P. DISK$VMSMASTER:[OPCOM.SRC]SHARE.B32;1
                                           MODULE OPC$SHARE_LOOKOPERBIT (IDENT = 'V03-001') =
                                                                                                                                               *TITLE 'SHARE_LOOKOPERBIT'
     %SBTTL 'share_init_o
                            BEGIN
                                          LIBRARY 'SYS$LIBRARY:LIB';
LIBRARY 'LIB$:OPCOMLIB';
                                           EXTERNAL ROUTINE
                                                  share_trnlog : NOVALUE:
                                          LITERAL
                                                        MAX_OPERBIT = 24;
                                          OWN
                                                                                                       [MAX_OPERBIT,LONG] PRESET
[0] = OPC$ CENTRL, [1]
[3] = OPC$ DISKS, [4]
[6] = OPC$ NTWORK, [7]
[9] = OPC$ REPLY, [10]
[12] = OPC$ OPER1, [13]
[15] = OPC$ OPER4, [16]
[18] = OPC$ OPER7, [19]
[21] = OPC$ OPER10, [22]
                                                         OPER_NAME
                                                                                      : VECTOR
                                                                                                                                               SET (
[1] = OPC$ PRINT,
[4] = OPC$ DEVICE,
[7] = OPC$ CLUSTER,
[10] = OPC$ SOFTWARE,
[13] = OPC$ OPER2,
[16] = OPC$ OPER5,
[19] = OPC$ OPER8,
[22] = OPC$ OPER11,
                                                                                                                                                                                                  = OPC$ TAPES,

= OPC$ CARDS,

= OPC$ SECURITY,

= OPC$ FILL 11,

= OPC$ OPER3,

= OPC$ OPER6,

= OPC$ OPER9
                                                                                                                                                                                             [8]
                                                                                                                                                                                                  = OPC$ OPER9;
= OPC$ OPER12);
                                          GLOBAL
                                                         OPER_KEYTBL
                                                                                 : VECTOR [((MAX_OPERBIT+2)+1),LONG] PRESET ([0] = MAX_OPERBIT+2);
                                          ROUTINE SHARE_INIT_OPER_KEYTBL : NOVALUE =
                                          BEGIN
                                              FUNCTIONAL DESCRIPTION:
                                                         This routine performs run-time initializations on the operator name keyword table.
                            0280
0281
0283
0283
0284
0285
0286
0287
0288
0289
0291
0293
0295
0296
0297
0298
                                              INPUTS:
                                                         None.
                                              IMPLICIT INPUTS:
                                                        none
                                              OUTPUTS:
                                                         none
                                              IMPLICIT OUTPUTS:
                                                         none
                                              ROUTINE VALUE:
                                                         none
                                              SIDE EFFECTS:
                                                         none
```

..........

```
CPC$SHARE_LOOKO SHARE_LOOKOPERBIT v03-001 share_init_oper_keytbl
                                                                                      16-Sep-1984 01:53:46
14-Sep-1984 12:50:55
                                                                                                                     VAX-11 Bliss-32 V4.0-742 PDISKSVMSMASTER: [OPCOM.SRC]SHARE.B32;1
   LOCAL
                                     buff : VECTOR [64, BYTE],
desc : VECTOR [2, LONG] PRESET ([1] = buff),
                                     msg.
                                     Len,
                                     adr : REF VECTOR [, BYTE],
                                     status:
                                   Loop through the name vector, for each non-zero entry fetch the message text and create a string
                                  from the message. Store a pointer to the string descriptor back in the vector.
                                INCR i FROM 0 TO MAX_OPERBIT-1
                                      IF (msg = .oper_name [.i]) EQL 0
                                                                                                ! We assume no holes
                                          $signal_stop (ss$_badparam);
                                        Reset the buffer length, and get the message text. Any problem is fatal.
                                     desc [0] = 64:
                                     IF NOT (status = $getmsg (msgid=.msg, msglen=desc, bufadr=desc, flags=1))
                                          $signal_stop (.status):
                                        Allocate and initialize a counted string, store info in the keytbl
                                      len = .desc [0] + 1;
                                                                                                  String plus ASCIC count byte
                                      IF NOT (status = OPC$GET_VM (len, adr))
                                                                                                ! Get memory, store address right into keytable
                                     $signal_stop (.status);
adr [0] = .desc [0];
CH$MOVE (.desc [0], .desc [1], adr [1]);
oper_keytbl [(2*.i)+1] = .adr;
oper_keytbl [(2*.i)+2] = .i;
                                                                                                   Set the ascic count byte
                                                                                                   Copy the string to the new memory
                                                                                                   Store the address in the keythl
                                                                                                ! Store the index in the keytbl
                                     END:
                                RETURN:
                                END:
                                                                                                   .TITLE
                                                                                                             OPC$SHARE_LOOKOPERBIT SHARE_LOOKOPERBIT
                                                                                                   . IDENT
                                                                                                              \V03-001\
                                                                                                   .PSECT
                                                                                                             SOUNS, NOEXE, 2
00058123
            0005811B
                          00058113
                                       0005810B
                                                     00058103
                                                                  000580FB
                                                                                00000 OPER NAME:
                                                                                                                                   360715.
360755.
360795.
360835.
360875.
                                                                                                                                             360723.
360763.
360803.
360843.
360883
                                                                                                                                                        360731. -
360771. -
360811. -
360851. -
                                                                                                              360699.
360739.
                                                                                                                        360707.
360747.
                                                                                                   .LONG
00058153
00058183
00058183
             0005814B
0005817B
000581AB
                          00058143
00058173
000581A3
                                        00058138
00058168
00058198
                                                     00058133
00058163
00058193
                                                                                00018
00030
                                                                   0005812B
0005815B
                                                                                                                        360787,
360827,
360867,
                                                                                                              360779.
                                                                                00048
                                                                                                   .PSECT
                                                                                                             $GLOBAL$, NOEXE, 2
```

0317

1, OPER KEYTBL+8[RO] #23, 1, 1\$

MOVL

AOBLEQ

; Routine Size: 128 bytes, Routine Base: \$CODE\$ + 0000

0000°CF40

```
OP
VO
```

```
OPC$SHARE_LOOKO SHARE_LOOKOPERBIT
V03-001 share_lookup_oper_bit
                                                                                                          VAX-11 Bliss-32 V4.0-742 P. DISK$VMSMASTER: [OPCOM.SRC]SHARE.B32;1
                             GLOBAL ROUTINE SHARE_LOOKUP_OPER_BIT (TEXT : $ref_bblock) =
                                                                                                          *SBTTL 'share_lookup_oper_bit'
   BEGIN
                   1++
                               FUNCTIONAL DESCRIPTION:
                                      This routine converts a text string for an operator name into that operators bit index in
                                      the operator attention mask.
                               INPUTS:
                                      None.
                               IMPLICIT INPUTS:
                                      none
                               OUTPUTS:
                                      none
                               IMPLICIT OUTPUTS:
                                      none
                               ROUTINE VALUE:
                                      none
                               SIDE EFFECTS:
                   0375
0376
0377
0378
0379
0380
0381
0382
0383
                                      none
                            LOCAL
                                 status:
                             If .oper_keytbl [1] EQL 0
                   0384
0385
0386
0387
0388
0389
                             THEN
                                 share_init_oper_keytbl ();
                                                                                                ! Initialize the oper_keytbl structure
                               Translate the name if possible
                             share_trnlog (.text);
                   0390
                   0391
0392
0393
0394
0395
0396
0397
0398
                               Convert the name to the index value stored in the keyword table
                            status = lib$lookup_key (.text, oper_keytbl, idx);
IF NOT .status
                                                                                               ! Use the library routine
                             THEN
                                 $signal_stop (opc$_valuerr, 1, .text, .status, 1, .text);
                            RETURN . idx;
                            END:
```

OPC VO3	SSHARE_LOOKO	SHARE_LOOKOPERBIT share_lookup_oper_bit					16-9 14-9	7 Sep-19 Sep-19	84 01:53 84 12:50	:46	VAX-11 Bliss-32 V4.0-742 DISKSVMSMASTER: [OPCOM.SRC]SHARE.B	Page 15
		FF70 0000G 00000000G	SE CF CF	0000° 04 0000° 04 04 04 04 0005825C	04 CF 000 A01 SF CA3	09088000000084G	00000 00002 00005 00009 00008 00010 00013 00018 00018 00018 00021 00028 00028 00028 00028 00030 00037 00037 00037 00044 00045 00048	3 :	EXTRN ENTRY SUBL2 TSTL BNEQ CALLS PUSHL	LIBS SHAR WO TEXT SPERTEXT STAT TEXT W1 STAT TEXT W1 W1 W	LOOKUP_KEY E_LOOKUP_OPER_BIT, Save nothing SP LEYTBL+4 SHARE_INIT_OPER_KEYTBL SHARE_TRNLOG LEYTBL LIB\$LOOKUP_KEY US, 2\$ US	0345 0385 0385 0395 0396
	outine Size: 404 405	73 bytes, Routine 0400 1 END 0401 0 ELUDOM	Base	: \$CODE\$	+ 008	10						
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Name Soun\$	Bytes		CT SUMMARY	D T	PD.		ibutes		DEI	CON MODIC ALICA/2)	
	SGLOBALS SCODES		196 201	NOVEC, WI NOVEC, NOW	RT.	RD RD	NOEXE, N NOEXE, N EXE, N	IOSHR, IOSHR,		REL, REL, REL,	CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2)	
		Libra	ry St	atistics								
•	File			Total	9,0	bol			Pages Mappe		Processing Time	
•	\$2558DUA28:[SYSLIBJLIB.L32:1 OPCOM.OBJJOPCOMLIB.L32		18619 633		30		0	1000		00:01.8	

UP!

OPC\$SHARE_LOOKO SHARE_LOOKOPERBIT v03-001 share_lookup_oper_bit

K 7 16-Sep-1984 01:53:46 14-Sep-1984 12:50:55

VAX-11 Bliss-32 V4.0-742 Page 1 DISK\$VMSMASTER:[OPCOM.SRC]SHARE.B32;1 (5

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$: SHARE/OBJ=OBJ\$: SHARE MSRC\$: SHARE/UPDATE=(ENH\$: SHARE)

OP VO

```
OPC$SHARE_INITO SHARE_INIT_OPER_NAME V03-001 Share_init_oper_name
                                                                                                                                 16-Sep-1984 01:53:46
14-Sep-1984 12:50:55
                                                                                                                                                                                 VAX-11 Bliss-32 V4.0-742 P. DISKSVMSMASTER: [OPCOM. SRC] SHARE. B32;1
     MODULE OPC$SHARE_INITOPERNAM (IDENT = 'VO3-001') =
                                                                                                                                                                 XTITLE 'SHARE_INIT_OPER_NAME'
                               *SBTTL 'share_init_o
                                                BEGIN
                                               LIBRARY 'SYS$LIBRARY:LIB';
LIBRARY 'LIB$:OPCOMLIB';
                                                GLOBAL ROUTINE SHARE_INIT_OPER_NAME : NOVALUE =
                                                BEGIN
                                                    FUNCTIONAL DESCRIPTION:
                                           This routine performs run-time initializations on the operator name vector.
                                                    INPUTS:
                                                                None.
                                                    IMPLICIT INPUTS:
                                                                none
                                                    OUTPUTS:
                                                                none
                                                    IMPLICIT OUTPUTS:
                                                                none
                                                    ROUTINE VALUE:
                                                                none
                                                    SIDE EFFECTS:
                                                                none
                                                    Define the vector of message codes that describe the text associated with each of the known attention bits. Undefined bits have a zero message code associated with them. The order of the
                                                   entries must coincide with the order of the bits that are defined, including any undefined bits. The run-time initialization of this vector is to take each non-zero entry, fetch the message text associated with that entry, and store a pointer to a string descriptor for the message text.
                                                GLOBAL
                                                                                                                [64.LONG] PRESET

[0] = OPC$ CENTRL,

[3] = OPC$ DISKS,

[6] = OPC$ NTWORK,

[9] = OPC$ REPLY,

[12] = OPC$ OPER1,

[15] = OPC$ OPER4,

[18] = OPC$ OPER7,

[21] = OPC$ OPER10,
                                                                OPER_NAME
                                                                                                : VECTOR
                                                                                                                                                                         = OPCS PRINT,

= OPCS DEVICE,

= OPCS CLUSTER,

= OPCS SOFTWARE,

= OPCS OPER2,

= OPCS OPER5,

= OPCS OPER8,

= OPCS OPER11,
                                                                                                                                                                                                                         = OPCS TAPES,

= OPCS CARDS,

= OPCS SECURITY,

= OPCS FILL 11,

= OPCS OPERS,

= OPCS OPER6,

= OPCS OPER9,

= OPCS OPER12);
                                                                                                                                                                 [1]
[4]
[7]
[10]
[13]
[16]
[19]
```

```
OP
VO
```

```
OPC$SHARE_INITO SHARE_INIT_OPER_NAME V03-001 share_init_oper_name
                                                                                    16-Sep-1984 01:53:46
14-Sep-1984 12:50:55
                                                                                                                   VAX-11 Bliss-32 V4.0-742
                                                                                                                   DISKSVMSMASTER: [OPCOM. SRC]SHARE . B32:1
                    LOCAL
   buff : VECTOR [64, BYTE],
desc : VECTOR [2, LONG] PRESET ([1] = buff),
                                     adr : REF VECTOR [, LONG],
                                    status;
                                  Loop through the name vector, for each non-zero entry fetch the message text and create a string
                                  from the message. Store a pointer to the string descriptor back in the vector.
                               INCR 1 FROM 0 TO 63
                               DO
                                     IF (msq = .oper_name [.i]) NEQ 0
                                     THEN
                                          BEGIN
                                            Reset the buffer length, and get the message text. Any problem is fatal.
                                          desc [0] = 64:
                                          1F NOT (status = $getmsg (msgid=.msg, msglen=desc, bufadr=desc, flags=1))
                                          THEN
                                               $signal_stop (.status);
                                            Allocate and initialize a descriptor and string
                                          IF NOT (status = OPC$GET_VM (%REF (8), adr))
                                          THEN
                                         $signal_stop (.status);
oper_name [.i] = .adr;
adr [0] = .desc [0];
                                                                                                 Replace the message code with the descriptor address
                                          adr [0] = .desc [0]; ! Place the string length in the descriptor IF NOT (status = OPC$GET_VM (adr [0], adr [1]))
                                          THEN
                                          $signal_stop (.status);
CH$MOVE (.desc [0], .desc [1], .adr [1]);
                                         END:
                     0494
                     0495
                               RETURN:
                               END:
                                                                                                           OPC$SHARE_INITOPERNAM SHARE_INIT_OPER_NAME \V03-001\
                                                                                                 .TITLE
                                                                                                 . IDENT
                                                                                                 .PSECT
                                                                                                           $GLOBAL$, NOEXE, 2
00058123
             0005811B
                          00058113
                                       0005810B
                                                                 000580FB
                                                    00058103
                                                                              00000 OPER_NAME::
                                                                                                                                          360723,
360763,
360803,
360843,
360883
                                                                                                                                                    360731,
360771,
360811,
360851,
                                                                                                 . LONG
                          00058143
00058173
000581A3
                                       0005813B
0005816B
0005819B
                                                    00058133
00058163
00058193
                                                                              00018
00030
00048
                                                                                                                               360755.
360795.
360835.
360875.
             0005814B
0005817B
                                                                 0005812B
0005815B
                                                                                                           360739.
360779.
00058153
                                                                                                           360779, 360787,
360819, 360827,
360859, 360867,
00058183
             000581AB
000581B3
                                                                 0005818B
                                                                              00060
                                                                                                 .BLKB
                                                                                                 .EXTRN
                                                                                                           SYSSGETMSG, LIBSSTOP
                                                                                                 .EXTRN
                                                                                                           OPCSGET_VM
                                                                                                 .PSECT $CODE$.NOWRT.2
```

OPCSSHARE_INITO SH VO3-001 Sh	ARE_IN	IIT_C	PER_NAME					16 14	7 -Sep-1 -Sep-1	1984 01:53 1984 12:50	:46 VAX-11 Bliss-32 V4.0-742 Pa :55 DISK\$VMSMASTER:[OPCOM.SRC]SHARE.B32;1	age 19
						01	IFC	00000		.ENTRY	SHARE_INIT_OPER_NAME, Save R2,R3,R4,R5,R6,-R7,R8	: 0408
				5E	80 08 10	AE	9E	90000		MOVAB	-80(SP), SP DESC	0461
			OC	AE	10	AE AE S6	9E	00009 0000E		MOVAB	BUFF, DESC+4	*
				58	0000°C	F46	DQ	00010	15:	MOVL	OPER_NAMECIJ, MSG	0469
			08	AE 7E	40 10 14	64 8F 01 AE 58 05	9A 7D 9F 9F	00016 00018 00010 00020 00023		BEQL MOVZBL MOVQ PUSHAB PUSHAB	#64, DESC #1, -(SP) DESC DESC	0477 0478
			000000006	00 57 36	04	50 57	DD FB DO E9 9F	00026 00028 0002F 00032 00035		PUSHL CALLS MOVL BLBC PUSHAB	MSG #5, SYS\$GETMSG RO, STATUS STATUS, 2\$ ADR	0484
			04	AE	04	AE 08 AE 02	DO 9F	00038 0003C		MOVL PUSHAB	#8, 4(SP) 4(SP)	, 0404
			0000G	CF 57		02 50 57	FB DO	0003F		MOVL	#2, OPCSGET_VM RO, STATUS	
			0000°CI	8E 52	04 08 04 04	AE AE AE AE AE OSO 57	E9 D0 D0 D0	00047 0004A 00051 00056 0005A		BLBC MOVL MOVL MOVL PUSHAB	RO, STATUS STATUS, 28 ADR, OPER NAME[1] DESC, QADR ADR, R2 4(R2)	0487 0488 0489
			00006	CF 57 OA	08	AE 02 50 57	DD FB DO E8 DD	0005D 00060 00065 00068 0006B	26.	PUSHL CALLS MOVL BLBS PUSHL	ADR #2, OPC\$GET_VM RO. STATUS STATUS, 3\$ STATUS	0491
			0000000G	00		ÓÍ	FB	0006D		CALLS	#1, LIB\$STOP	. 0471
	04	B2 90	00	BE 56	08	AE 3F	28 F3	00075 00075 0007C 00080	3\$: 4\$:	MOVC3 AOBLEQ RET	DESC, adesc+4, a4(R2) #63, I, 1\$	0492 0471 0496
Routine Size: 1	04 29 byt	B2 90		BE 56	08 \$CODE\$	O1 AE 3F	FB 04 28 F3 04	0006D 00074 00075 0007C	3\$:	CALLS RET MOVC3 AOBLEQ	W1, LIB\$STOP DESC, adesc+4, a4(R2)	04

6D

0497 1 END 0498 0 ELUDOM 502 503

PSECT SUMMARY

Bytes

Attributes

\$GLOBAL\$ \$CODE\$

256 NOVEC, WRT, RD , NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2) 129 NOVEC, NOWRT, RD , EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

OPC\$SHARE_INITO SHARE_INIT_OPER_NAME V03-001 Share_init_oper_name

8 16-Sep-1984 01:53:46 14-Sep-1984 12:50:55

VAX-11 Bliss-32 V4.0-742 Page 20 DISK\$VMSMASTER:[OPCOM.SRC]SHARE.B32;1 (6)

Library Statistics

file	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]LIB.L32:1 _\$255\$DUA28:[OPCOM.OBJ]OPCOMLIB.L32:1	18619 633	27	8	1000	00:01.8

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$: SHARE/OBJ=OBJ\$: SHARE MSRC\$: SHARE/UPDATE=(ENH\$: SHARE)

OP(

•

.

```
OPCSSHARE_TRNLO SHARE_TRNLOG
                                                                         16-Sep-1984 01:53:46
14-Sep-1984 12:50:55
                                                                                                    VAX-11 Bliss-32 V4.0-742 P
DISK$VMSMASTER:[OPCOM.SRC]SHARE.B32;1
                  share_trnlog (name)
                                    OPC$SHARE_TRNLOG (IDENT = 'VO3-001') = %TITLE 'SHARE_TRNLOG'
   #SBTTL 'share_trnlog (name)'
                  0500
                           BEGIN
                 LIBRARY 'SYS$LIBRARY:LIB';
LIBRARY 'LIB$:OPCOMLIB';
                           GLOBAL ROUTINE SHARE_TRNLOG (NAME : $ref_bblock) : NOVALUE =
                             functional description:
                                     Recursively translate a logical name.
                             Input:
                                    name - Address of dynamic string descriptor for input name
                             Implicit Input:
                                    None.
                             Output:
                                    name - Receives a new dynamic string
                             Implict output:
                                    None.
                             Side effects:
                                    None.
                             Routine value:
                                    None.
                           BEGIN
                                                                                  ! Start of share_trnlog
                           LOCAL
                               lcl buf : $bvector [256],
in_dsc : VECTOR [2, LONG],
out_dsc : VECTOR [2, LONG],
                                status:
                             If the input string was is not dynamic, scream and shout,
                           IF .name [dsc$b_class] NEQ dsc$k_class_d
                                $signal_stop (ss$_badparam);
                             Copy the input string to the local buffer
                           CH$MOVE (.name [dsc$w_length], .name [dsc$a_pointer], lcl_buf);
   560
                             Set the input and output descriptors up
```

OP

```
OPC$SHARE_TRNLO SHARE_TRNLOG V03-001 Share_trnlog
                                                                                       16-Sep-1984 01:53:46
14-Sep-1984 12:50:55
                                                                                                                       VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [OPCOM.SRC]SHARE.B32;1
                     share_trnlog (name)
                                in_dsc [0] = .name [dsc$w_length];
in_dsc [1] = lcl_buf;
out_dsc [1] = icl_buf;
    562
563
564
565
                     055589
055589
055566123
05556645
0556667
055777789
05577789
    5667
568
569
571
572
573
576
577
                                   Try up to ten times to translate the name
                                INCR i FROM 0 TO 10
                                DO
                                      BEGIN
                                        We didn't find the end, give an error
                                      IF .i GEQ 10
                                           $signal_stop (opc$_valuerr, 1, .name, ss$_toomanylnam);
                                        Set up the output descriptor
    580
                                      out_dsc [0] = 256;
    581
582
583
                                        Attempt to translate
    584
585
                                      status = $trnlog (lognam=in_dsc, rsllen=out_dsc, rslbuf=out_dsc);
                                      IF .status EQL ss$_notran
                                                                                                  ! No tranlation, we are done
    586
587
                     0581
                                           EXITLOOP:
                                      IF NOT .status
    588
    589
                                      THEN
                     0584
0585
    590
                                           $signal_stop (.status);
    591
    592
593
                     0586
0587
                                        Get ready for the next loop
    594
595
                     0588
0589
                                      in_dsc [0] = .out_dsc [0];
    596
597
                     0590
                     0591
                                   Copy the local string to the output
                     0592
    598
    599
                                IF NOT (status = str$copy_dx (.name, out_dsc))
                     0594
0595
    600
                                THEN
    601
                                     $signal_stop (.status);
   602
                     0596
0597
                                RETURN;
   604
                                END:
                                                                                                    .TITLE
                                                                                                              OPC$SHARE_TRNLOG SHARE_TRNLOG
                                                                                                               \V03-001\
                                                                                                    . IDENT
                                                                                                    .EXTRN
                                                                                                               LIB$STOP, SYS$TRNLOG
                                                                                                    .EXTRN
                                                                                                              STR$COPY_DX
                                                                                                              $CODE$, NOWRT, 2
                                                                                                    .PSECT
                                                                          00FC 00000
9E 00002
9E 00009
D0 0000E
                                                                                                               SHARE TRNLOG, Save R2,R3,R4,R5,R6,R7
LIB$STOP, R7
-272(SP), SP
NAME, R6
                                                                                                                                                                             0505
                                                                                                    .ENTRY
                                                        00000000G
                                                                                                    MOVAB
                                                              FEFO
04
                                                                                                    MOVAB
                                                                                                    MOVL
                                                                                                                                                                             0546
```

OP!

PC\$SHARE_TRNLO SH	-			02	03	A6	91			01:53 84 12:50 CMPB BEQL	3:46 VAX-11 Bliss-32 V4.0- 0:55 DISKSVMSMASTER: COPCOM 3(R6), #2	742 .SRCJSHARE.B32:1 (7)
						A6 04 14 68	13 00 11	00012 00016 00018 0001A		PUSHL	#20 6\$	054
	10	AE	04 08 00 04	B6 AE AE AE		66		ODDIC	15:	BRB MOVC3 MOVZWL MOVAB MOVAB	#20 6\$ (R6), @4(R6), LCL_BUF (R6), IN_DSC LCL_BUF, IN_DSC+4 LCL_BUF, OUT_DSC+4	055
			04	AE	10	AE S2	28 9E 9E 01	00022 00026 00028 00030 00032		MOVAB CLRL	LCL_BUF, IN_DSC+4 LCL_BUF, OUT_DSC+4	055 055 055 055 056
				OA		52	D1	00035	28:	CMPL	i #10	056
				7E	0374	8F 56	30	00037 0003C		MOVZWL PUSHL	#884, -(SP) R6	0570
				67 00	05825C	6666EE2237F61F4	DD FB 04	00040		BLSS MOVZWL PUSHL PUSHL PUSHL CALLS	#1 #361052 #4, LIB\$STOP	
				6E	0100	8F 7E	3C 7C	DOOLA	3\$:	MOVZWL	#256, OUT_DSC -(SP)	057 057
					00	8FEEEE6000000000000000000000000000000000	04 9F	0004F 00051 00053 00056 00059		CLRU PUSHAB PUSHAB PUSHAB CALLS CMPL BEQL BLBC MOVL AOBLEQ	-(SP) OUT_DSC OUT_DSC IN_DSC #6, SYS\$TRNLOG STATUS, #1577	
			000000006	00	0C 10 1C	AE 06	9F 9F FB	00056		PUSHAB	IN_DSC #6_ SYSETRNI OG	
			00000000G 00000629	00 8F		50 0B	D1	00063 0006A		CMPL		057
		88	08	16 AE 52		50 6E	E9 D0 F3 BB FB E8	00063 0006A 0006C 0006F 00073		MOVL	STATUS, 5\$ OUT_DSC, IN_DSC #10, I, 2\$ #^M <r6.sp> #2, STR\$COPY_DX STATUS, 7\$</r6.sp>	: 058 : 058
			0000000G		4040	8F	BB	00077 0007B	48:	PUSHR CALLS BLBS	#^M <r6,sp> #2. STR\$COPY DX</r6,sp>	056 059
				00		50	DD	00085	5\$:	PUSHL	STATUS, 7\$ STATUS #1, LIB\$STOP	059
				67		01	FB 04	00087 0008A	6\$: 7\$:	RET	#1, LIB\$STOP	0598
Routine Size: 1	39 byt	es,	Routine	Base:	\$CODE\$	+ 0	0000					
605 606 06	99 1	END	OM						!	End of	SHARE_TRNLOG	
				PSECT	SUMMARY							
Name			Bytes					Att	tributes			

Library Statistics

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$: SHARE/OBJ=OBJ\$: SHARE MSRC\$: SHARE/UPDATE=(ENH\$: SHARE)

: Size: 603 code + 1256 data bytes : Run Time: 00:32.2 : Elapsed Time: 02:11.0 : Lines/CPU Min: 1116 : Lexemes/CPU-Min: 12055 ; Memory Used: 101 pages : Compilation Complete 0292 AH-BT13A-SE

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